

. . <u>0</u> · · · · 7/11/92 Toy jeatens PCR on thermal-cyclic driven entymatic reactions, but includes other DNA(A) other biochem or them) reactions All techns involving reactions based ma+hodologies a optical comps. using microfab Reaction parameter control: heating, purpose, could, Reaction or neagent detection - manipulation 1054 Appl. die ed Fig. 2 charles + sjorfie orge for carry jout Biochem reaction munify, ORTSCE mass cinalwers, さいいっちゃく device - to gp, mix + detect, exectro Kinstic effects to pp,

see of freconc (3 interg_T

control dsv.ce; (4) optical Filter: (E) chamber at hanting stements

Allen Horthaus 11/92 Dick - Uhite chains wing chamber also Micrositer vols round in system Smuller - can be done fuster on the power. 9604 550c -> heart + coul. Pie-Backaged/chips -> novel: chipe cher Toch or any other I reaction that reguling. Monolithic, unicrofuls device >

1st time such a supe

uas belon done on this scall

(milloding) (3) use g hamb- were care protion to see if I have we an white's us 5,006, 149 unique: unicrohisters in charter. Fiber optic inside reaction charken for detection. PCR technis must take along to 1 to 5 minutes. Fartestin right in time a conget leate uti a few seconds. re capter on the order of batte. Eis of cold to 1100. To Suface Realtions dep. on concentral

Í

basid en heater Res on \$ 3 welts in <180 C of > 1/2 valts is 55° (mono lithic Forb - is very ingested - can do in botched and cheefe and disposable. * Need sper sheet for charles PP/179 in chawler charles-includer ultrasomi LAlso enoful for all systeming

Jany Inject Sangell optic window. for analysis July optic Oto diver- Retain Refus visionity; a diff fresi (Fi , Fz Fz) so tay operling the diff breas. It waning to Junior to Junior to don't by training to Key doing Per on chip w/ reaction chanker. Mertanala monden Unculia con regetted effet och isaction is divalet tations will fount fe it from deriv ileactionts on this me advance of sold as a mit. Usey surjus themen to wanton reactant Possible talks) pubs : noure the horz. Oct 04 1492 Dust apple to Investors by byling g June eville etimes & Adus: All parter of some spends. Blunt Flow dre 34,463 45 5,006,749 gents- your

al - Nice Jentine Res charges Sincer -1 70 xlectrodes A & B to mason conect It to measure voltage bit. eletales A & 13. This detail should be

Si Oz- is material at bottom hondlig bio-Chamist DNA 310625 - in chanken parts. attach to probas & slinior
change so know have attachment * probes.